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Table NC-2. Life table for males: North Carolina, 2019

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived over age x | Expectation of life at age x |
|-------------|---|-----------------------------|---|---|---|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 0-1 | 0.007195 | 100,000 | 719 | 99,358 | 7,502,480 | 75.0 |
| 1-2 | 0.000546 | 99,281 | 54 | 99,253 | 7,403,122 | 74.6 |
| 2-3 | 0.000289 | 99,226 | 29 | 99,212 | 7,303,869 | 73.6 |
| 3-4 | 0.000192 | 99,198 | 19 | 99,188 | 7,204,657 | 72.6 |
| 4-5 | 0.000144 | 99,179 | 14 | 99,171 | 7,105,469 | 71.6 |
| 5-6 | 0.000187 | 99,164 | 19 | 99,155 | 7,006,297 | 70.7 |
| 6-7 | 0.000184 | 99,146 | 18 | 99,137 | 6,907,142 | 69.7 |
| 7-8 | 0.000170 | 99,128 | 17 | 99,119 | 6,808,006 | 68.7 |
| 8-9 | 0.000141 | 99,111 | 14 | 99,104 | 6,708,886 | 67.7 |
| 9-10 | 0.000101 | 99,097 | 10 | 99,092 | 6,609,783 | 66.7 |
| 10-11 | 0.000064 | 99,087 | 6 | 99,084 | 6,510,691 | 65.7 |
| 11-12 | 0.000051 | 99,080 | 5 | 99,078 | 6,411,607 | 64.7 |
| 12-13 | 0.000087 | 99,075 | 9 | 99,071 | 6,312,529 | 63.7 |
| 13-14 | 0.000185 | 99,067 | 18 | 99,058 | 6,213,458 | 62.7 |
| 14-15 | 0.000329 | 99,048 | 33 | 99,032 | 6,114,401 | 61.7 |
| 15-16 | 0.000490 | 99,016 | 49 | 98,992 | 6,015,369 | 60.8 |
| 16-17 | 0.000647 | 98,967 | 64 | 98,935 | 5,916,377 | 59.8 |
| 17-18 | 0.000804 | 98,903 | 79 | 98,863 | 5,817,442 | 58.8 |
| 18-19 | 0.000953 | 98,824 | 94 | 98,777 | 5,718,579 | 57.9 |
| 19-20 | 0.001095 | 98,730 | 108 | 98,675 | 5,619,802 | 56.9 |
| 20-21 | 0.001239 | 98,621 | 122 | 98,560 | 5,521,127 | 56.0 |
| 21-22 | 0.001382 | 98,499 | 136 | 98,431 | 5,422,566 | 55.1 |
| 22-23 | 0.001509 | 98,363 | 148 | 98,289 | 5,324,135 | 54.1 |
| 23-24 | 0.001614 | 98,215 | 158 | 98,136 | 5,225,846 | 53.2 |
| 24-25 | 0.001700 | 98,056 | 167 | 97,973 | 5,127,711 | 52.3 |
| 25-26 | 0.001780 | 97,890 | 174 | 97,802 | 5,029,738 | 51.4 |
| 26-27 | 0.001856 | 97,715 | 181 | 97,625 | 4,931,935 | 50.5 |
| 27-28 | 0.001926 | 97,534 | 188 | 97,440 | 4,834,311 | 49.6 |
| 28-29 | 0.001991 | 97,346 | 194 | 97,249 | 4,736,871 | 48.7 |
| 29-30 | 0.002055 | 97,152 | 200 | 97,052 | 4,639,622 | 47.8 |
| 30-31 | 0.002118 | 96,953 | 205 | 96,850 | 4,542,569 | 46.9 |
| 31-32 | 0.002182 | 96,747 | 211 | 96,642 | 4,445,719 | 46.0 |
| 32-33 | 0.002244 | 96,536 | 217 | 96,428 | 4,349,077 | 45.1 |
| 33-34 | 0.002333 | 96,320 | 225 | 96,207 | 4,252,649 | 44.2 |
| 34-35 | 0.002416 | 96,095 | 232 | 95,979 | 4,156,442 | 43.3 |
| 35-36 | 0.002510 | 95,863 | 241 | 95,742 | 4,060,463 | 42.4 |
| 36-37 | 0.002603 | 95,622 | 249 | 95,498 | 3,964,721 | 41.5 |
| 37-38 | 0.002677 | 95,373 | 255 | 95,246 | 3,869,223 | 40.6 |
| 38-39 | 0.002722 | 95,118 | 259 | 94,988 | 3,773,978 | 39.7 |
| 39-40 | 0.002754 | 94,859 | 261 | 94,728 | 3,678,989 | 38.8 |
| 40-41 | 0.002796 | 94,598 | 265 | 94,465 | 3,584,261 | 37.9 |
| 41-42 | 0.002867 | 94,333 | 270 | 94,198 | 3,489,796 | 37.0 |
| 42-43 | 0.002967 | 94,063 | 279 | 93,923 | 3,395,598 | 36.1 |
| 43-44 | 0.003099 | 93,784 | 291 | 93,638 | 3,301,674 | 35.2 |
| 44-45 | 0.003263 | 93,493 | 305 | 93,341 | 3,208,036 | 34.3 |
| 45-46 | 0.003449 | 93,188 | 321 | 93,027 | 3,114,695 | 33.4 |
| 46-47 | 0.003665 | 92,867 | 340 | 92,696 | 3,021,668 | 32.5 |
| 47-48 | 0.003929 | 92,526 | 364 | 92,344 | 2,928,972 | 31.7 |
| 48-49 | 0.004259 | 92,163 | 393 | 91,966 | 2,836,627 | 30.8 |
| 49-50 | 0.004662 | 91,770 | 428 | 91,556 | 2,744,661 | 29.9 |
| 50-51 | 0.005108 | 91,342 | 467 | 91,109 | 2,653,105 | 29.0 |
| 51-52 | 0.005605 | 90,876 | 509 | 90,621 | 2,561,996 | 28.2 |
| 52-53 | 0.006198 | 90,366 | 560 | 90,086 | 2,471,375 | 27.3 |

Table NC-2. Life table for males: North Carolina, 2019

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived over age x | Expectation of life at age x |
|--------------|---|-----------------------------|---|---|---|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 53-54 | 0.006883 | 89,806 | 618 | 89,497 | 2,381,288 | 26.5 |
| 54-55 | 0.007621 | 89,188 | 680 | 88,848 | 2,291,791 | 25.7 |
| 55-56 | 0.008376 | 88,508 | 741 | 88,138 | 2,202,943 | 24.9 |
| 56-57 | 0.009135 | 87,767 | 802 | 87,366 | 2,114,805 | 24.1 |
| 57-58 | 0.009915 | 86,965 | 862 | 86,534 | 2,027,439 | 23.3 |
| 58-59 | 0.010731 | 86,103 | 924 | 85,641 | 1,940,905 | 22.5 |
| 59-60 | 0.011594 | 85,179 | 988 | 84,685 | 1,855,264 | 21.8 |
| 60-61 | 0.012519 | 84,191 | 1,054 | 83,664 | 1,770,579 | 21.0 |
| 61-62 | 0.013479 | 83,137 | 1,121 | 82,577 | 1,686,914 | 20.3 |
| 62-63 | 0.014444 | 82,017 | 1,185 | 81,425 | 1,604,337 | 19.6 |
| 63-64 | 0.015397 | 80,832 | 1,245 | 80,210 | 1,522,912 | 18.8 |
| 64-65 | 0.016362 | 79,588 | 1,302 | 78,937 | 1,442,703 | 18.1 |
| 65-66 | 0.017383 | 78,285 | 1,361 | 77,605 | 1,363,766 | 17.4 |
| 66-67 | 0.018704 | 76,925 | 1,439 | 76,205 | 1,286,161 | 16.7 |
| 67-68 | 0.020023 | 75,486 | 1,511 | 74,730 | 1,209,956 | 16.0 |
| 68-69 | 0.021374 | 73,974 | 1,581 | 73,184 | 1,135,226 | 15.3 |
| 69-70 | 0.022794 | 72,393 | 1,650 | 71,568 | 1,062,042 | 14.7 |
| 70-71 | 0.024305 | 70,743 | 1,719 | 69,883 | 990,474 | 14.0 |
| 71-72 | 0.026012 | 69,024 | 1,795 | 68,126 | 920,590 | 13.3 |
| 72-73 | 0.028052 | 67,228 | 1,886 | 66,285 | 852,464 | 12.7 |
| 73-74 | 0.030544 | 65,342 | 1,996 | 64,344 | 786,179 | 12.0 |
| 74-75 | 0.033546 | 63,347 | 2,125 | 62,284 | 721,835 | 11.4 |
| 75-76 | 0.037052 | 61,221 | 2,268 | 60,087 | 659,551 | 10.8 |
| 76-77 | 0.041012 | 58,953 | 2,418 | 57,744 | 599,463 | 10.2 |
| 77-78 | 0.045451 | 56,535 | 2,570 | 55,251 | 541,719 | 9.6 |
| 78-79 | 0.050351 | 53,966 | 2,717 | 52,607 | 486,469 | 9.0 |
| 79-80 | 0.055714 | 51,248 | 2,855 | 49,821 | 433,861 | 8.5 |
| 80-81 | 0.061571 | 48,393 | 2,980 | 46,903 | 384,041 | 7.9 |
| 81-82 | 0.068251 | 45,414 | 3,100 | 43,864 | 337,137 | 7.4 |
| 82-83 | 0.076028 | 42,314 | 3,217 | 40,706 | 293,273 | 6.9 |
| 83-84 | 0.084844 | 39,097 | 3,317 | 37,438 | 252,568 | 6.5 |
| 84-85 | 0.094652 | 35,780 | 3,387 | 34,087 | 215,129 | 6.0 |
| 85-86 | 0.103395 | 32,393 | 3,349 | 30,719 | 181,043 | 5.6 |
| 86-87 | 0.116069 | 29,044 | 3,371 | 27,358 | 150,324 | 5.2 |
| 87-88 | 0.129939 | 25,673 | 3,336 | 24,005 | 122,966 | 4.8 |
| 88-89 | 0.145030 | 22,337 | 3,240 | 20,717 | 98,961 | 4.4 |
| 89-90 | 0.161346 | 19,097 | 3,081 | 17,557 | 78,244 | 4.1 |
| 90-91 | 0.178869 | 16,016 | 2,865 | 14,584 | 60,687 | 3.8 |
| 91-92 | 0.197551 | 13,151 | 2,598 | 11,852 | 46,103 | 3.5 |
| 92-93 | 0.217314 | 10,553 | 2,293 | 9,407 | 34,251 | 3.2 |
| 93-94 | 0.238052 | 8,260 | 1,966 | 7,277 | 24,845 | 3.0 |
| 94-95 | 0.259625 | 6,294 | 1,634 | 5,477 | 17,568 | 2.8 |
| 95-96 | 0.281868 | 4,660 | 1,313 | 4,003 | 12,091 | 2.6 |
| 96-97 | 0.304590 | 3,346 | 1,019 | 2,837 | 8,088 | 2.4 |
| 97-98 | 0.327584 | 2,327 | 762 | 1,946 | 5,252 | 2.3 |
| 98-99 | 0.350633 | 1,565 | 549 | 1,290 | 3,306 | 2.1 |
| 99-100 | 0.373518 | 1,016 | 380 | 826 | 2,015 | 2.0 |
| 100 and over | 1.000000 | 637 | 637 | 1,189 | 1,189 | 1.9 |

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

Table NC-3. Life table for females: North Carolina, 2019

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived over age x | Expectation of life at age x |
|-------------|---|-----------------------------|---|---|---|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 0-1 | 0.006397 | 100,000 | 640 | 99,429 | 8,012,598 | 80.1 |
| 1-2 | 0.000371 | 99,360 | 37 | 99,342 | 7,913,169 | 79.6 |
| 2-3 | 0.000319 | 99,323 | 32 | 99,308 | 7,813,827 | 78.7 |
| 3-4 | 0.000167 | 99,292 | 17 | 99,283 | 7,714,520 | 77.7 |
| 4-5 | 0.000166 | 99,275 | 17 | 99,267 | 7,615,236 | 76.7 |
| 5-6 | 0.000140 | 99,259 | 14 | 99,252 | 7,515,970 | 75.7 |
| 6-7 | 0.000115 | 99,245 | 11 | 99,239 | 7,416,718 | 74.7 |
| 7-8 | 0.000098 | 99,233 | 10 | 99,228 | 7,317,479 | 73.7 |
| 8-9 | 0.000086 | 99,224 | 9 | 99,219 | 7,218,251 | 72.7 |
| 9-10 | 0.000080 | 99,215 | 8 | 99,211 | 7,119,031 | 71.8 |
| 10-11 | 0.000080 | 99,207 | 8 | 99,203 | 7,019,820 | 70.8 |
| 11-12 | 0.000087 | 99,199 | 9 | 99,195 | 6,920,617 | 69.8 |
| 12-13 | 0.000104 | 99,190 | 10 | 99,185 | 6,821,423 | 68.8 |
| 13-14 | 0.000130 | 99,180 | 13 | 99,174 | 6,722,237 | 67.8 |
| 14-15 | 0.000164 | 99,167 | 16 | 99,159 | 6,623,064 | 66.8 |
| 15-16 | 0.000206 | 99,151 | 20 | 99,141 | 6,523,905 | 65.8 |
| 16-17 | 0.000250 | 99,131 | 25 | 99,118 | 6,424,764 | 64.8 |
| 17-18 | 0.000292 | 99,106 | 29 | 99,091 | 6,325,646 | 63.8 |
| 18-19 | 0.000331 | 99,077 | 33 | 99,060 | 6,226,554 | 62.8 |
| 19-20 | 0.000370 | 99,044 | 37 | 99,026 | 6,127,494 | 61.9 |
| 20-21 | 0.000407 | 99,007 | 40 | 98,987 | 6,028,468 | 60.9 |
| 21-22 | 0.000451 | 98,967 | 45 | 98,945 | 5,929,481 | 59.9 |
| 22-23 | 0.000508 | 98,923 | 50 | 98,897 | 5,830,536 | 58.9 |
| 23-24 | 0.000582 | 98,872 | 58 | 98,844 | 5,731,638 | 58.0 |
| 24-25 | 0.000662 | 98,815 | 65 | 98,782 | 5,632,795 | 57.0 |
| 25-26 | 0.000746 | 98,749 | 74 | 98,712 | 5,534,013 | 56.0 |
| 26-27 | 0.000822 | 98,676 | 81 | 98,635 | 5,435,300 | 55.1 |
| 27-28 | 0.000880 | 98,595 | 87 | 98,551 | 5,336,665 | 54.1 |
| 28-29 | 0.000917 | 98,508 | 90 | 98,463 | 5,238,114 | 53.2 |
| 29-30 | 0.000940 | 98,417 | 93 | 98,371 | 5,139,652 | 52.2 |
| 30-31 | 0.000960 | 98,325 | 94 | 98,278 | 5,041,281 | 51.3 |
| 31-32 | 0.000987 | 98,231 | 97 | 98,182 | 4,943,003 | 50.3 |
| 32-33 | 0.001014 | 98,134 | 99 | 98,084 | 4,844,821 | 49.4 |
| 33-34 | 0.001076 | 98,034 | 105 | 97,981 | 4,746,737 | 48.4 |
| 34-35 | 0.001139 | 97,929 | 112 | 97,873 | 4,648,756 | 47.5 |
| 35-36 | 0.001214 | 97,817 | 119 | 97,758 | 4,550,883 | 46.5 |
| 36-37 | 0.001290 | 97,698 | 126 | 97,635 | 4,453,125 | 45.6 |
| 37-38 | 0.001358 | 97,572 | 132 | 97,506 | 4,355,490 | 44.6 |
| 38-39 | 0.001412 | 97,440 | 138 | 97,371 | 4,257,984 | 43.7 |
| 39-40 | 0.001463 | 97,302 | 142 | 97,231 | 4,160,613 | 42.8 |
| 40-41 | 0.001514 | 97,160 | 147 | 97,086 | 4,063,382 | 41.8 |
| 41-42 | 0.001588 | 97,013 | 154 | 96,936 | 3,966,295 | 40.9 |
| 42-43 | 0.001702 | 96,859 | 165 | 96,776 | 3,869,359 | 39.9 |
| 43-44 | 0.001864 | 96,694 | 180 | 96,604 | 3,772,583 | 39.0 |
| 44-45 | 0.002059 | 96,514 | 199 | 96,414 | 3,675,979 | 38.1 |
| 45-46 | 0.002278 | 96,315 | 219 | 96,205 | 3,579,565 | 37.2 |
| 46-47 | 0.002495 | 96,096 | 240 | 95,976 | 3,483,360 | 36.2 |
| 47-48 | 0.002688 | 95,856 | 258 | 95,727 | 3,387,384 | 35.3 |
| 48-49 | 0.002851 | 95,598 | 273 | 95,462 | 3,291,657 | 34.4 |
| 49-50 | 0.003009 | 95,326 | 287 | 95,182 | 3,196,195 | 33.5 |
| 50-51 | 0.003170 | 95,039 | 301 | 94,888 | 3,101,013 | 32.6 |
| 51-52 | 0.003381 | 94,738 | 320 | 94,577 | 3,006,125 | 31.7 |
| 52-53 | 0.003688 | 94,417 | 348 | 94,243 | 2,911,547 | 30.8 |

Table NC-3. Life table for females: North Carolina, 2019

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived over age x | Expectation of life at age x |
|--------------|---|-----------------------------|---|---|---|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 53-54 | 0.004106 | 94,069 | 386 | 93,876 | 2,817,304 | 29.9 |
| 54-55 | 0.004593 | 93,683 | 430 | 93,468 | 2,723,429 | 29.1 |
| 55-56 | 0.005095 | 93,252 | 475 | 93,015 | 2,629,961 | 28.2 |
| 56-57 | 0.005581 | 92,777 | 518 | 92,518 | 2,536,946 | 27.3 |
| 57-58 | 0.006061 | 92,260 | 559 | 91,980 | 2,444,428 | 26.5 |
| 58-59 | 0.006538 | 91,700 | 600 | 91,401 | 2,352,448 | 25.7 |
| 59-60 | 0.007025 | 91,101 | 640 | 90,781 | 2,261,047 | 24.8 |
| 60-61 | 0.007558 | 90,461 | 684 | 90,119 | 2,170,266 | 24.0 |
| 61-62 | 0.008122 | 89,777 | 729 | 89,413 | 2,080,147 | 23.2 |
| 62-63 | 0.008674 | 89,048 | 772 | 88,662 | 1,990,735 | 22.4 |
| 63-64 | 0.009197 | 88,276 | 812 | 87,870 | 1,902,073 | 21.5 |
| 64-65 | 0.009722 | 87,464 | 850 | 87,039 | 1,814,203 | 20.7 |
| 65-66 | 0.010263 | 86,613 | 889 | 86,169 | 1,727,165 | 19.9 |
| 66-67 | 0.010967 | 85,724 | 940 | 85,254 | 1,640,996 | 19.1 |
| 67-68 | 0.011842 | 84,784 | 1,004 | 84,282 | 1,555,741 | 18.3 |
| 68-69 | 0.012943 | 83,780 | 1,084 | 83,238 | 1,471,459 | 17.6 |
| 69-70 | 0.014248 | 82,696 | 1,178 | 82,107 | 1,388,221 | 16.8 |
| 70-71 | 0.015695 | 81,518 | 1,279 | 80,878 | 1,306,114 | 16.0 |
| 71-72 | 0.017265 | 80,238 | 1,385 | 79,546 | 1,225,236 | 15.3 |
| 72-73 | 0.019018 | 78,853 | 1,500 | 78,103 | 1,145,690 | 14.5 |
| 73-74 | 0.021028 | 77,353 | 1,627 | 76,540 | 1,067,587 | 13.8 |
| 74-75 | 0.023394 | 75,727 | 1,772 | 74,841 | 991,046 | 13.1 |
| 75-76 | 0.026133 | 73,955 | 1,933 | 72,989 | 916,205 | 12.4 |
| 76-77 | 0.029237 | 72,023 | 2,106 | 70,970 | 843,216 | 11.7 |
| 77-78 | 0.032768 | 69,917 | 2,291 | 68,771 | 772,247 | 11.0 |
| 78-79 | 0.036787 | 67,626 | 2,488 | 66,382 | 703,475 | 10.4 |
| 79-80 | 0.041327 | 65,138 | 2,692 | 63,792 | 637,093 | 9.8 |
| 80-81 | 0.046324 | 62,446 | 2,893 | 61,000 | 573,301 | 9.2 |
| 81-82 | 0.051871 | 59,553 | 3,089 | 58,009 | 512,301 | 8.6 |
| 82-83 | 0.058019 | 56,464 | 3,276 | 54,826 | 454,293 | 8.0 |
| 83-84 | 0.064882 | 53,188 | 3,451 | 51,463 | 399,466 | 7.5 |
| 84-85 | 0.072648 | 49,737 | 3,613 | 47,931 | 348,004 | 7.0 |
| 85-86 | 0.081810 | 46,124 | 3,773 | 44,237 | 300,073 | 6.5 |
| 86-87 | 0.093420 | 42,351 | 3,956 | 40,372 | 255,836 | 6.0 |
| 87-88 | 0.104601 | 38,394 | 4,016 | 36,386 | 215,463 | 5.6 |
| 88-89 | 0.116846 | 34,378 | 4,017 | 32,370 | 179,077 | 5.2 |
| 89-90 | 0.130193 | 30,361 | 3,953 | 28,385 | 146,707 | 4.8 |
| 90-91 | 0.144664 | 26,408 | 3,820 | 24,498 | 118,323 | 4.5 |
| 91-92 | 0.160263 | 22,588 | 3,620 | 20,778 | 93,825 | 4.2 |
| 92-93 | 0.176973 | 18,968 | 3,357 | 17,290 | 73,046 | 3.9 |
| 93-94 | 0.194755 | 15,611 | 3,040 | 14,091 | 55,757 | 3.6 |
| 94-95 | 0.213545 | 12,571 | 2,684 | 11,229 | 41,666 | 3.3 |
| 95-96 | 0.233252 | 9,886 | 2,306 | 8,733 | 30,437 | 3.1 |
| 96-97 | 0.253759 | 7,580 | 1,924 | 6,619 | 21,704 | 2.9 |
| 97-98 | 0.274926 | 5,657 | 1,555 | 4,879 | 15,085 | 2.7 |
| 98-99 | 0.296590 | 4,102 | 1,216 | 3,493 | 10,206 | 2.5 |
| 99-100 | 0.318572 | 2,885 | 919 | 2,426 | 6,713 | 2.3 |
| 100 and over | 1.000000 | 1,966 | 1,966 | 4,287 | 4,287 | 2.2 |

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.